

Applic. No. 10/075,670
Amdt. dated December 30, 2005
Reply to Office action of September 30, 2005

Claim Amendments

This listing of the claims will replace all prior versions, and listings, of claims in the application:

Claim 1 (original): A raster generation system for a printing machine with an image-setting unit, comprising:

at least one raster processor for generating raster data from raw image data; and

a memory for storing the raster data, said memory formed by a raster memory with random access;

said raster processor storing the raster data column by column in said raster memory.

Claim 2 (original): The raster generation system according to claim 1, comprising a first plug-in interface board, said raster memory and said raster processor disposed on said first plug-in interface board.

Claim 3 (original): The raster generation system according to claim 2, comprising:

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an image-setting unit; and

a DMA controller for controlling a transfer of the raster data from said raster memory to said image-setting unit.

Claim 4 (original): The raster generation system according to claim 1, comprising:

an image-setting unit; and

a DMA controller for controlling a transfer of the raster data from said raster memory to said image-setting unit.

Claim 5 (original): The raster generation system according to claim 4, comprising:

a buffer memory;

said DMA controller providing an output;

said buffer memory buffering said output of said DMA controller.

Claim 6 (original): The raster generation system according to claim 4, comprising a second plug-in interface board, said DMA

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controller and said buffer memory disposed on said second
plug-in interface board.

Claim 7 (original): A method of processing raster data for an
image-setting unit of a printing machine, which comprises:

generating raster data line by line from raw image data;

storing the raster data column by column in a raster memory
with random access; and

reading out the raster data column by column into an image-
setting unit.

Claim 8 (original): The method according to claim 7, which
comprises:

using a DMA controller to control the step of reading out the
raster data; and

buffering the raster data that has been read out in a buffer
memory.

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Claim 9 (new): The raster generation system according to
claim 1, wherein the raster data are generated line by line
from the raw image data.